



HYBRID

Alternative Energy - Decentralized Microbiological Water Treatment System



Worldwide Applications

- Developing Countries
- NGOs
- Mission Groups
- Military Organizations
- Emergency Response
- Disaster Preparedness
- USFS
- NPS
- Work Camps
- State Parks
- Camp Grounds
- Marinas
- Golf Courses
- Green Businesses
- Green Residences
- Remote Cabins & Getaways
- RV Parks
- Gas, Oil & Construction sites

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SUNSPRING^{HYBRID}

Solar Powered Microbiological Water Treatment System

Technical Specifications

Peak Flow, Pressure System (LPM/GPM)	Up to 34/9
Peak Flow, Standard Pump (LPM/GPM)	Up to 17/4.5
Peak Flow, Submersible Pump (LPM/GPM)	Up to 8.3/2.2
Minimum Water Temperature (°C/°F)	>0/32
Maximum Water Temperature (°C/°F)	<38/100
Approximate Flush Volume (litres/USgal)	45/12
Total System Efficiency	>92%
System Voltage (VDC)	24 VDC
Maximum Suction Lift, Standard Pump	<8'

Standard Equipment:

- 1 IWT-275 Ultrafiltration Membrane Module
- 2 Solar Modules and Wind Turbine
- Gravity @ 50 psi. = Up to 7,500 GPD
- Pump 4.5 GPM, up to 5000 GPD (18,925 Liters/Day)
- Pre-Filter Assembly, Stainless Steel Pre-Filter
- Raw and Finished Water Plumbing
- 24" Diameter Aluminum Diamond Plate Enclosure
- Installation and Training Manual
- Tool Kit, Maintenance Kit, Spare Parts Kit
- Automatic Controllers – Solar, wind and backwash
- 12 VDC Plug - Charging Station with 3 Plugs
- Digital Flow Meter (Instantaneous and Totalizer)
- Automatic Chlorinator

Optional Equipment for Custom Installations:

- Charging Station (12VDC and/or USB)
- Pre-Filters (Stainless, Paper, Carbon, or Specialty)
- AC Charge Maintainer
- Submersible Pump Package
- Private Labeling (Logos)
- Insulated and Heated All Season SunSpring™ is available
- Solar Module Tri-Pod Package

Please note: Membranes must be kept from drying out and/or freezing

General Information:

Businesses and small communities in remote locations can now take advantage of the same membrane technology used by large-scale water treatment plants in a compact, self-contained alternative energy design.

The SunSpring™ physically removes particulate, turbidity, bacteria, virus and cysts from virtually any water source including rivers, lakes, streams, ponds, shallow wells (GWUDI), rain water, unsafe municipal supplies and springs.

Features & Benefits:

- Utilizes solar power and wind so can be used in remote locations, all around the world
- Membranes physically block out and remove 99.999% of pathogens from water supply
- Significantly reduces colloids, turbidity, and organics
- Utilizes the same membrane technology chosen by large-scale water filtration plants
- Effectively treats ground, surface or cistern water sources
- Automated and efficient self-cleaning cycle flushes impurities
- Requires minimal water pressure to operate efficiently
- Rain water harvesting for reuse as drinking water

SunSpring™ Models:

SunSpring SS24
SunSpring SS24H
SunSpring Grid
SunSpring GWD (Ground Water Disinfected)



Channel Partner
Water & Process Technologies



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